

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S42	12	("4982712" "5045288" "5439652" "5449443" "5468699" "5480524" "5650126" "5670206" "6024929" "6135838" "6242862" "6336998").PN.	US-PGPUB; USPAT	ADJ	ON	2006/12/07 12:00
S43	0	S42 and anatase and peptiz\$3	US-PGPUB; USPAT	ADJ	ON	2006/12/07 14:40
S44	1	S42 and peptiz\$3	US-PGPUB; USPAT	ADJ	ON	2006/12/07 11:32
S45	863	422/186.ccls.	US-PGPUB; USPAT	ADJ	ON	2006/12/07 11:35
S46	2	422/186.ccls. and ("TiO.sub.2" or titanium (oxide or dioxide)) and lamp and chelat\$3 and (sol or gel)	US-PGPUB; USPAT	ADJ	ON	2006/12/07 13:53
S47	3	422/186.ccls. and (hydro\$1thermal or hydro thermal)	US-PGPUB; USPAT	ADJ	ON	2006/12/07 11:38
S48	172	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and lamp and chelat\$3 and (sol or gel)	US-PGPUB; USPAT	ADJ	ON	2006/12/07 13:07
S49	14	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and lamp and chelat\$3 and (sol or gel) and (hydro\$1thermal or hydro thermal)	US-PGPUB; USPAT	ADJ	ON	2006/12/07 15:39
S50	2	((("20010008696") or ("5646090")).PN.	US-PGPUB; USPAT	OR	OFF	2006/12/07 12:45
S51	16	JP-??171408-\$.did.	JPO	ADJ	ON	2006/12/07 13:40
S52	4	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and lamp and chelat\$3 and (sol or gel) and peptiz\$3	US-PGPUB; USPAT	ADJ	ON	2006/12/07 13:07
S54	2	JP-07171408-\$.did.	JPO; DERWENT	ADJ	ON	2006/12/07 13:41
S55	1	("5547823").PN.	US-PGPUB; USPAT	OR	OFF	2006/12/07 13:41
S56	1	422/186.ccls. and ("TiO.sub.2" or titanium (oxide or dioxide)) and peptiz\$3	US-PGPUB; USPAT	ADJ	ON	2006/12/07 15:01
S57	1	422/186.ccls. and peptiz\$3	US-PGPUB; USPAT	ADJ	ON	2006/12/07 14:54
S58	2	S42 and chelat\$3	US-PGPUB; USPAT	ADJ	ON	2006/12/07 14:41

## EAST Search History

S59	7	422/186.ccls. and ("TiO.sub.2" or titanium (oxide or dioxide)) and (titanium alkoxide or "Ti(OR)4" or "Ti(OR).sub.4") same (hydrocarbon or "C.sub.nH.sub.2n+1" or meth\$3 or eth\$3 or prop\$3 or iso\$1prop\$3 or iso prop\$3 or but\$3 or pent\$3)	US-PGPUB; USPAT	ADJ	ON	2006/12/07 15:21
S60	0	422/186.ccls. and ("Ti(OR)4" or "Ti(OR).sub.4")	US-PGPUB; USPAT	ADJ	ON	2006/12/07 15:05
S61	4	("Ti(OR)4" or "Ti(OR).sub.4")	US-PGPUB; USPAT	ADJ	ON	2006/12/07 15:52
S62	0	("Ti(OR)4" or "Ti(OR).sub.4")	EPO; JPO	ADJ	ON	2006/12/07 15:07
S63	3	S42 and titanium alkoxide	US-PGPUB; USPAT	ADJ	ON	2006/12/07 15:10
S64	7	S42 and (base or basic or alkali or alkaline)	US-PGPUB; USPAT	ADJ	ON	2006/12/07 15:11
S67	29	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and titanium alkoxide same (hydrocarbon or "C.sub.nH.sub.2n+1" or meth\$3 or eth\$3 or prop\$3 or iso\$1prop\$3 or iso prop\$3 or but\$3 or pent\$3) not titanium alkoxide same method	US-PGPUB; USPAT	ADJ	ON	2006/12/07 16:11
S68	3	"TiO.sub.2-SCA"	US-PGPUB; USPAT	ADJ	ON	2006/12/07 15:40
S77	19	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and chelat\$3 same (acetanacetate or amino acid or succinic acid or organic alcohol or "RC.sub.6OCH.sub.3OH" or "RC.sub.6(OCH.sub.3)OH")	US-PGPUB; USPAT	ADJ	ON	2006/12/07 16:20
S78	10	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and chelat\$3 same (acetanacetate or amino acid or organic alcohol or "RC.sub.6OCH.sub.3OH" or "RC.sub.6(OCH.sub.3)OH")	US-PGPUB; USPAT	ADJ	ON	2006/12/07 16:28
S79	2	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and chelat\$3 same titanium alkoxide same molar near ratio	US-PGPUB; USPAT	ADJ	ON	2006/12/07 16:35
S80	0	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and ("(4-y)/2+y" or "(4-y)/(2+y)" or "4-y/2+y" or "4-y/(2+y)")	US-PGPUB; USPAT	ADJ	ON	2006/12/07 16:38

## EAST Search History

S81	0	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and ("(4-x)/2+x" or "(4-x)/(2+x)" or "4-x/2+x" or "4-x/(2+x)")	US-PGPUB; USPAT	ADJ	ON	2006/12/07 16:38
S82	376	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and H\$6TiO\$	US-PGPUB; USPAT	ADJ	ON	2006/12/07 16:41
S83	16	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and H?????TiO\$	US-PGPUB; USPAT	ADJ	ON	2006/12/07 17:07
S84	1731	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and (ammonia or "NH.sub.3" or "NH.sub.4OH" or alkyl ammonium or "R.sub.4NOH" or alkyl amine or "NR.sub.3")	US-PGPUB; USPAT	ADJ	ON	2006/12/07 17:09
S85	930	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and (ammonia or "NH.sub.3" or "NH.sub.4OH" or alkyl ammonium or "R.sub.4NOH" or alkyl amine or "NR.sub.3") same (base or basic or alkali\$3)	US-PGPUB; USPAT	ADJ	ON	2006/12/07 17:10
S86	517	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) and (ammonia or "NH.sub.3" or "NH.sub.4OH" or alkyl ammonium or "R.sub.4NOH" or alkyl amine or "NR.sub.3") same (base or basic or alkali\$3) and (sol or gel)	US-PGPUB; USPAT	ADJ	ON	2006/12/07 17:10
S88	251	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) same (sol or gel) and (ammonia or "NH.sub.3" or "NH.sub.4OH" or alkyl ammonium or "R.sub.4NOH" or alkyl amine or "NR.sub.3") same (base or basic or alkali\$3)	US-PGPUB; USPAT	ADJ	ON	2006/12/07 17:15
S89	3	S42 and (ammonia or "NH.sub.3" or "NH.sub.4OH" or alkyl ammonium or "R.sub.4NOH" or alkyl amine or "NR.sub.3")	US-PGPUB; USPAT	ADJ	ON	2006/12/07 17:12
S90	15	photo\$1cataly\$6 and ("TiO.sub.2" or titanium (oxide or dioxide)) same (sol or gel) and (ammonia or "NH.sub.3" or "NH.sub.4OH" or alkyl ammonium or "R.sub.4NOH" or alkyl amine or "NR.sub.3") same (base or basic or alkali\$3) and peptiz\$10	US-PGPUB; USPAT	ADJ	ON	2006/12/08 10:15
S91	0	wo-0030747-\$.did.	DERWENT	ADJ	ON	2006/12/08 09:36
S92	1	wo-200030747-\$.did.	DERWENT	ADJ	ON	2006/12/08 09:37

## EAST Search History

S93	1	EP-1136125-\$.did.	EPO	ADJ	ON	2006/12/08 09:37
S94	235	("TiO.sub.2" or (titanium or metal) (oxide or dioxide)) same chelat\$8 same (mole! or moles! or molar ratio or ratio)	US-PGPUB; USPAT	ADJ	ON	2006/12/08 10:17
S95	78	("TiO.sub.2" or titanium (oxide or dioxide)) same chelat\$8 same (mole! or moles! or molar ratio or ratio)	US-PGPUB; USPAT	ADJ	ON	2006/12/08 10:26
S96	203	alkoxide same chelat\$8 same (mole! or moles! or molar ratio or ratio)	US-PGPUB; USPAT	ADJ	ON	2006/12/08 10:26
S97	11	alkoxide same chelat\$8 same (mole! or moles! or molar ratio or ratio) and photo\$1cataly\$6	US-PGPUB; USPAT	ADJ	ON	2006/12/08 10:31
S99	110	(metal or titanium) alkoxide same chelat\$8 same (mole! or moles! or molar ratio or ratio)	US-PGPUB; USPAT	ADJ	ON	2006/12/08 10:36
S10 0	48	(metal or titanium) alkoxide same chelat\$8 same (mole! or moles! or molar ratio or ratio) and ("TiO.sub.2" or titanium (oxide or dioxide))	US-PGPUB; USPAT	ADJ	ON	2006/12/08 10:36
S10 1	155	aqueous with acetylacetone	US-PGPUB; USPAT	ADJ	ON	2006/12/08 11:08
S10 2	30	aqueous with acetylacetone and ("TiO.sub.2" or titanium (oxide or dioxide))	US-PGPUB; USPAT	ADJ	ON	2006/12/08 11:09
S10 3	223	(water or aqueous) with acetylacetone and ("TiO.sub.2" or titanium (oxide or dioxide))	US-PGPUB; USPAT	ADJ	ON	2006/12/08 11:10
S10 4	30	(water or aqueous) with acetylacetone and ("TiO.sub.2" or titanium (oxide or dioxide)) and photo\$1cataly\$	US-PGPUB; USPAT	ADJ	ON	2006/12/08 11:10